

# Immunotag™ S12A2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1352
Product Description	Immunotag™ S12A2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	S12A2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	S12A2 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SLC12A2 NKCC1
Accession No.	P55011 P55012
Description	solute carrier family 12 member 2(SLC12A2) Homo sapiens The protein encoded by this gene mediates sodium and chloride transport and reabsorption. The encoded protein is a membrane protein and is important in maintaining proper ionic balance and cell volume. This protein is phosphorylated in response to DNA damage. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jan 2012],

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Cell Pathway/ Category	Vibrio cholerae infection,
Protein Expression	Brain,Colon,Eye,
Subcellular Localization	plasma membrane,integral component of plasma membrane,membrane,integral component of membrane,apical plasma membrane,extracellular exosome,extracellular vesicle,
Protein Function	function:Electrically silent transporter system. Mediates sodium and chloride reabsorption. Plays a vital role in the regulation of ionic balance and cell volume.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SLC12A transporter family.,tissue specificity:Expressed in many tissues.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.